District of Columbia
Print date: 09/09/2002
Table J1b.--Physical Properties of the Soils

(Entries under "Erosion factors--T" apply to the entire profile. Entries under "Wind erodibility group" and "Wind erodibility index" apply only to the surface layer. Absence of an entry indicates that data were not estimated.)

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
AsC:														
Ashe	0-6	---	---	10-20	1.35-1.60	2-6	0.13-0.18	0.0-2.9	1.0-5.0	.24	.24	2	5	56
	6-23	---	---	10-20	1.35-1.60	2-6	0.10-0.14	0.0-2.9	---	.17	.17			
	23-60	---	---	5-15	1.45-1.65	2-6	0.08-0.12	0.0-2.9	---	.17	.17			
	60-64	---	---	---	---	---	---	---	---	---	---			
AsD:														
Ashe	0-6	---	---	10-20	1.35-1.60	2-6	0.13-0.18	0.0-2.9	1.0-5.0	.24	.24	2	5	56
	6-23	---	---	10-20	1.35-1.60	2-6	0.10-0.14	0.0-2.9	---	.17	.17			
	23-60	---	---	5-15	1.45-1.65	2-6	0.08-0.12	0.0-2.9	---	.17	.17			
	60-64	---	---	---	---	---	---	---	---	---	---			
BdB:														
Beltsville	0-16	---	---	7-20	1.20-1.40	0.6-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	16-21	---	---	20-30	1.30-1.50	0.6-2	0.18-0.21	0.0-2.9	0.0-0.5	.43	.43			
	21-45	---	---	20-30	1.60-1.90	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
	45-60	---	---	19-35	1.30-1.50	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
BeB:														
Beltsville	0-16	---	---	7-20	1.20-1.40	0.6-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	16-21	---	---	20-30	1.30-1.50	0.6-2	0.18-0.21	0.0-2.9	0.0-0.5	.43	.43			
	21-45	---	---	20-30	1.60-1.90	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
	45-60	---	---	19-35	1.30-1.50	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Bg:														
Bibb	0-14	---	---	2-18	1.50-1.70	0.6-2	0.12-0.18	0.0-2.9	1.0-3.0	.20	.20	5	3	86
	14-60	---	---	2-18	1.45-1.75	0.6-2	0.10-0.20	0.0-2.9	0.5-1.0	.37	.37			
BnB:														
Bourne	0-11	---	---	5-20	1.30-1.50	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.28	.28	3	3	86
	11-18	---	---	20-35	1.40-1.60	0.6-2	0.11-0.16	0.0-2.9	---	.37	.37			
	18-28	---	---	15-35	1.70-1.90	0.06-0.2	0.08-0.12	0.0-2.9	---	.37	.37			
	28-60	---	---	---	---	0.0015-20	---	---	---	---	---			
BnC:														
Bourne	0-11	---	---	5-20	1.30-1.50	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.28	.28	3	3	86
	11-18	---	---	20-35	1.40-1.60	0.6-2	0.11-0.16	0.0-2.9	---	.37	.37			
	18-28	---	---	15-35	1.70-1.90	0.06-0.2	0.08-0.12	0.0-2.9	---	.37	.37			
	28-60	---	---	---	---	0.0015-20	---	---	---	---	---			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
BpB:														
Bourne	0-11	---	---	5-20	1.30-1.50	2-6	0.10-0.15	0.0-2.9	1.0-3.0	.28	.28	3	3	86
	11-18	---	---	20-35	1.40-1.60	0.6-2	0.11-0.16	0.0-2.9	---	.37	.37			
	18-28	---	---	15-35	1.70-1.90	0.06-0.2	0.08-0.12	0.0-2.9	---	.37	.37			
	28-60	---	---	---	---	0.0015-20	---	---	---	---	---			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
BrC:														
Brandywine	0-22	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	5	56
	22-60	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
BrD:														
Brandywine	0-22	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	5	56
	22-60	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
BtB:														
Brandywine	0-22	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	5	56
	22-60	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
BtC:														
Brandywine	0-22	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	5	56
	22-60	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
BtD:														
Brandywine	0-22	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	5	56
	22-60	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CcB:														
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
CcC:														
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
CcD:														
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
CdB:														
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CdC:														
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CdD:														
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CeB:														
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
CeC:														
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
CeD:														
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	4	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
CfB:														
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CfC:														
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CfD:														
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	4	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Ck:														
Codorus	0-17	---	---	15-25	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	2.0-4.0	.49	.37	5	---	56
	17-50	---	---	18-35	1.20-1.50	0.6-2	0.14-0.18	0.0-2.9	---	.37	.37			
	50-60	---	---	5-12	1.20-1.50	2-20	0.04-0.08	0.0-2.9	---	.24	.28			
Cn:														
Codorus	0-17	---	---	15-25	1.20-1.40	0.6-2	0.14-0.20	0.0-2.9	2.0-4.0	.49	.37	5	---	56
	17-50	---	---	18-35	1.20-1.50	0.6-2	0.14-0.18	0.0-2.9	---	.37	.37			
	50-60	---	---	5-12	1.20-1.50	2-20	0.04-0.08	0.0-2.9	---	.24	.28			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CwB:														
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
CwC:														
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
CwD:														
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
CxB:														
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
CxC:														
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
CxD:														
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Dn:														
Dunning	0-16	---	---	12-27	1.20-1.40	0.6-2	0.19-0.23	0.0-2.9	2.0-10	.37	.37	5	---	56
	16-60	---	---	35-60	1.40-1.65	0.06-0.2	0.14-0.18	3.0-5.9	---	.28	.28			
Fa:														
Fallsington	0-13	---	---	5-18	1.00-1.45	0.6-6	0.15-0.20	0.0-2.9	0.5-2.0	.24	.24	5	3	86
	13-33	---	---	18-30	1.50-1.80	0.2-2	0.15-0.18	0.0-2.9	0.0-0.5	.28	.28			
	33-60	---	---	2-30	1.50-1.85	0.6-20	0.06-0.20	0.0-2.9	0.0-0.5	.20	.20			
FB:														
Fluvaquents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.43	.49	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
	60-80	---	---	3-20	1.20-1.50	2-20	0.05-0.18	0.0-2.9	0.0-0.5	.20	---			
FD:														
Fluvaquents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.43	.43	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	---	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
FF:														
Fluvaquents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.43	.49	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
	60-80	---	---	3-20	1.20-1.50	2-20	0.05-0.18	0.0-2.9	0.0-0.5	.20	---			
Udifluvents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.43	.49	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
	60-80	---	---	3-20	1.20-1.50	2-20	0.05-0.18	0.0-2.9	0.0-0.5	.20	---			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
FH:														
Fluvaquents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	1.0-3.0	.43	.43	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	---	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
Udifluvents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.43	.49	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
	60-80	---	---	3-20	1.20-1.50	2-20	0.05-0.18	0.0-2.9	0.0-0.5	.20	---			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
GeB:														
Galestown	0-60	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	60-64	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
GfB:														
Galestown	0-60	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	60-64	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
Rumford	0-19	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	19-39	---	---	8-21	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	39-60	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
GfC:														
Galestown	0-60	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	60-64	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
Rumford	0-19	---	---	2-12	1.25-1.45	6-20	0.06-0.10	0.0-2.9	0.5-1.0	.17	.17	5	2	134
	19-39	---	---	8-21	1.25-1.45	2-6	0.10-0.15	0.0-2.9	0.0-0.5	.17	.17			
	39-60	---	---	2-18	1.25-1.50	2-20	0.04-0.10	0.0-2.9	0.0-0.5	.17	.20			
GgB:														
Glenelg	0-9	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	9-28	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	28-60	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GgC:														
Glenelg	0-9	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	9-28	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	28-60	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
GgD:														
Glenelg	0-9	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	9-28	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	28-60	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
GhB:														
Glenelg	0-9	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	9-28	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	28-60	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
GhC:														
Glenelg	0-9	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	9-28	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	28-60	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
GhD:														
Glenelg	0-9	---	---	15-25	1.10-1.40	0.6-2	0.14-0.24	0.0-2.9	1.0-3.0	.32	.32	5	---	48
	9-28	---	---	20-32	1.20-1.60	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.43	.49			
	28-60	---	---	5-20	1.20-1.40	0.6-2	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
GlB:														
Glenelg Variant	0-9	---	---	10-20	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	9-18	---	---	20-35	1.40-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.24	.28			
	18-40	---	---	20-35	1.60-1.80	0.0015-0.6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	40-62	---	---	5-25	1.40-1.60	0.2-0.6	0.06-0.12	0.0-2.9	0.0-0.5	.24	.32			
GmB:														
Glenelg Variant	0-9	---	---	10-20	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	9-18	---	---	20-35	1.40-1.60	0.6-2	0.12-0.16	0.0-2.9	0.0-0.5	.24	.28			
	18-40	---	---	20-35	1.60-1.80	0.0015-0.6	0.08-0.12	0.0-2.9	0.0-0.5	.24	.28			
	40-62	---	---	5-25	1.40-1.60	0.2-0.6	0.06-0.12	0.0-2.9	0.0-0.5	.24	.32			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Ik:														
Iuka	0-21	---	---	6-15	---	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.24	5	---	86
	21-60	---	---	5-15	---	0.6-2	0.10-0.20	0.0-2.9	---	.20	.20			
Ip:														
Iuka	0-21	---	---	6-15	---	2-6	0.10-0.15	0.0-2.9	0.5-2.0	.24	.24	5	---	86
	21-60	---	---	5-15	---	0.6-2	0.10-0.20	0.0-2.9	---	.20	.20			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
JtB:														
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
JtC:														
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
JtD:														
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
JuB:														
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
JuC:														
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
JuD:														
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
KeB:														
Keyport	0-12	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	12-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
KeC:														
Keyport	0-12	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	12-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
KmB:														
Keyport	0-12	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	12-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
KmC:														
Keyport	0-12	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	12-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Ld:														
Lindside	0-6	---	---	15-27	1.20-1.40	0.6-2	0.20-0.26	0.0-2.9	2.0-4.0	.32	.32	5	---	---
	6-48	---	---	18-35	1.20-1.40	0.2-2	0.17-0.22	0.0-2.9	---	.37	.37			
	48-60	---	---	18-35	1.20-1.40	0.2-6	0.12-0.18	0.0-2.9	---	.32	.32			
Lp:														
Lindside	0-29	---	---	15-27	1.20-1.40	0.6-2	0.20-0.26	0.0-2.9	2.0-4.0	.32	.32	3	---	---
	29-44	---	---	18-35	1.20-1.40	0.6-2	0.17-0.22	0.0-2.9	---	.37	.37			
	44-48	---	---	---	---	---	---	---	---	---	---			
MbC:														
Manor	0-8	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	8-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MbD:														
Manor	0-8	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	8-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
McC:														
Manor	0-8	---	---	10-25	1.20-1.40	0.6-2	0.14-0.17	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	8-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
MdB:														
Manor	0-8	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	8-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MdC:														
Manor	0-8	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	8-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
MdD:														
Manor	0-8	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	8-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
MgB:														
Matapeake	0-10	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	10-38	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	38-60	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MgC:														
Matapeake	0-10	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	4	5	56
	10-38	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	38-60	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
MhB:														
Matapeake	0-10	---	---	5-15	1.00-1.45	0.6-2	0.20-0.28	0.0-2.9	1.0-2.0	.49	.49	5	5	56
	10-38	---	---	18-30	1.40-1.65	0.2-2	0.18-0.24	0.0-2.9	---	.43	.43			
	38-60	---	---	2-70	1.65-1.85	0.6-6	0.08-0.18	0.0-2.9	---	.28	.28			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Mp:														
Melvin	0-9	---	---	12-17	1.20-1.60	0.6-2	0.18-0.23	0.0-2.9	0.5-3.0	.43	.43	5	---	56
	9-30	---	---	12-35	1.30-1.60	0.6-2	0.18-0.23	0.0-2.9	0.5-2.0	.43	.43			
	30-62	---	---	7-40	1.40-1.70	0.6-2	0.16-0.23	0.0-2.9	0.2-1.0	.43	.43			
MvB:														
Muirkirk Variant	0-11	---	---	2-14	---	6-20	0.04-0.15	0.0-2.9	---	.17	.17	5	---	134
	11-31	---	---	---	---	0.6-6	0.12-0.18	0.0-2.9	---	.17	.17			
	31-60	---	---	---	---	0.0015-0.6	0.12-0.18	3.0-5.9	---	.28	.28			
MvC:														
Muirkirk Variant	0-11	---	---	2-14	---	6-20	0.04-0.15	0.0-2.9	---	.17	.17	5	---	134
	11-31	---	---	---	---	0.6-6	0.12-0.18	0.0-2.9	---	.17	.17			
	31-60	---	---	---	---	0.0015-0.6	0.12-0.18	3.0-5.9	---	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
MvD:														
Muirkirk Variant	0-11	---	---	2-14	---	6-20	0.04-0.15	0.0-2.9	---	.17	.17	5	---	134
	11-31	---	---	---	---	0.6-6	0.12-0.18	0.0-2.9	---	.17	.17			
	31-60	---	---	---	---	0.0015-0.6	0.12-0.18	3.0-5.9	---	.28	.28			
NeC:														
Neshaminy	0-18	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	18-40	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	40-60	---	---	---	---	0.2-2	---	---	---	---	---			
NeD:														
Neshaminy	0-18	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	18-40	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	40-60	---	---	---	---	0.2-2	---	---	---	---	---			
NuC:														
Neshaminy	0-18	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	18-40	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	40-60	---	---	---	---	0.2-2	---	---	---	---	---			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
NuD:														
Neshaminy	0-18	---	---	10-25	1.20-1.40	0.6-2	0.16-0.20	0.0-2.9	2.0-4.0	.32	.32	5	---	56
	18-40	---	---	20-40	1.40-1.60	0.2-0.6	0.10-0.14	0.0-2.9	0.0-0.5	.17	.20			
	40-60	---	---	---	---	0.2-2	---	---	---	---	---			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
SaB:														
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
SaC:														
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
ScB:														
Sassafras	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	5	---	86
	20-31	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	31-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
ScC:														
Sassafras	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	4	---	86
	20-31	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	31-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
ScD:														
Sassafras	0-20	---	---	3-12	1.00-1.40	0.6-6	0.10-0.14	0.0-2.9	1.0-2.0	.20	.28	5	---	86
	20-31	---	---	18-27	1.35-1.50	0.6-2	0.11-0.22	0.0-2.9	---	.37	.37			
	31-60	---	---	3-12	1.35-1.50	0.6-20	0.04-0.12	0.0-2.9	---	.17	.20			
SgB:														
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
SgC:														
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
SgD:														
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
SmB:														
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
SmC:														
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
SmD:														
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
SpB:														
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
SpC:														
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
SpD:														
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
U1:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U2:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U3:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U4:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U5:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U6:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U7:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U8:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U9:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
U10:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U11B:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U11C:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
U11D:														
Udorthents	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	2	---	---
UA:														
Udifluvents	0-6	---	---	5-15	1.00-1.40	0.6-2	0.10-0.15	0.0-2.9	0.5-2.0	.43	.49	5	3	86
	6-42	---	---	5-20	1.00-1.45	0.6-6	0.06-0.12	0.0-2.9	0.0-0.5	.37	.43			
	42-60	---	---	18-35	1.20-1.40	0.6-2	0.08-0.14	0.0-2.9	---	.32	.32			
	60-80	---	---	3-20	1.20-1.50	2-20	0.05-0.18	0.0-2.9	0.0-0.5	.20	---			
Ub:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
UcB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Beltsville	0-16	---	---	7-20	1.20-1.40	0.6-2	0.18-0.21	0.0-2.9	1.0-3.0	.43	.43	4	---	56
	16-21	---	---	20-30	1.30-1.50	0.6-2	0.18-0.21	0.0-2.9	0.0-0.5	.43	.43			
	21-45	---	---	20-30	1.60-1.90	0.06-0.2	0.05-0.10	0.0-2.9	0.0-0.5	.32	.32			
	45-60	---	---	19-35	1.30-1.50	0.2-6	0.08-0.18	0.0-2.9	0.0-0.5	.37	.43			
UdB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Brandywine	0-22	---	---	7-18	1.20-1.40	2-6	0.09-0.18	0.0-2.9	1.0-3.0	.20	.24	5	5	56
	22-60	---	---	2-7	1.30-1.50	2-20	0.04-0.08	0.0-2.9	0.0-0.5	.15	.24			
UeB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
UeC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Chillum	0-12	---	---	10-23	1.10-1.30	0.6-2	0.19-0.21	0.0-2.9	1.0-3.0	.43	.43	4	5	56
	12-28	---	---	18-35	1.10-1.30	0.6-2	0.19-0.22	0.0-2.9	0.0-0.5	.37	.37			
	28-60	---	---	18-23	1.20-1.50	0.2-2	0.03-0.12	0.0-2.9	0.0-0.5	.17	.24			
UfB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
UfC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
Christiana	0-10	---	---	10-26	1.25-1.50	0.2-2	0.18-0.24	0.0-2.9	1.0-2.0	.43	.43	5	---	56
	10-75	---	---	28-75	1.30-1.40	0.0015-0.6	0.14-0.20	3.0-5.9	0.0-0.5	.28	.28			
UkC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Croom	0-21	---	---	10-23	1.20-1.40	0.2-2	0.05-0.10	0.0-2.9	1.0-3.0	.37	.49	5	---	86
	21-42	---	---	10-35	1.30-1.50	0.2-2	0.05-0.10	0.0-2.9	---	.17	.24			
	42-72	---	---	5-30	1.30-1.50	0.6-20	0.04-0.07	0.0-2.9	---	.17	.24			
	72-76	---	---	5-20	1.30-1.50	0.6-20	0.03-0.13	0.0-2.9	---	.17	.24			
UmB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Galestown	0-60	---	---	4-10	1.50-1.70	6-20	0.06-0.08	0.0-2.9	0.5-2.0	.17	.17	5	2	134
	60-64	---	---	2-6	1.50-1.65	6-20	0.04-0.08	0.0-2.9	0.0-0.5	.17	.20			
UoC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Joppa	0-7	---	---	5-18	1.20-1.45	2-6	0.12-0.18	0.0-2.9	1.0-4.0	.28	.32	5	---	86
	7-27	---	---	10-25	1.35-1.65	2-20	0.06-0.10	0.0-2.9	0.0-0.5	.28	.32			
	27-60	---	---	2-15	1.60-1.75	2-20	0.02-0.10	0.0-2.9	0.0-0.5	.28	.37			
UpB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
Keyport	0-12	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	12-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
Keyport	0-12	---	---	5-20	1.20-1.60	0.6-6	0.12-0.16	0.0-2.9	1.0-3.0	.37	.37	3	3	86
	12-60	---	---	30-50	1.35-1.60	0.06-0.2	0.14-0.20	3.0-5.9	0.0-0.5	.32	.32			
UsB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Manor	0-9	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	9-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
UsC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Manor	0-9	---	---	10-25	1.10-1.40	0.6-2	0.17-0.21	0.0-2.9	1.0-3.0	.37	.37	5	---	48
	9-23	---	---	10-25	1.20-1.50	0.6-2	0.14-0.20	0.0-2.9	0.0-0.5	.32	.37			
	23-60	---	---	5-20	1.25-1.50	0.6-6	0.10-0.20	0.0-2.9	0.0-0.5	.49	.55			
UxB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
UxC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Sassafras	0-20	---	---	3-12	1.00-1.45	0.6-6	0.10-0.16	0.0-2.9	1.0-2.0	.28	.28	5	3	86
	20-31	---	---	18-27	1.40-1.65	0.2-2	0.11-0.22	0.0-2.9	0.0-0.5	.37	.37			
	31-60	---	---	3-16	1.40-1.70	0.6-20	0.04-0.12	0.0-2.9	0.0-0.5	.17	.20			
UyC:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Sunnyside	0-5	---	---	5-15	1.10-1.25	0.6-2	0.12-0.18	0.0-2.9	1.0-4.0	.24	.24	5	3	86
	5-28	---	---	15-29	1.35-1.55	0.6-2	0.12-0.20	0.0-2.9	---	.28	.28			
	28-60	---	---	5-20	1.35-1.55	2-6	0.08-0.18	0.0-2.9	---	.24	.24			
UzB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Woodstown	0-12	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	12-40	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	40-60	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			

Table J1b.--Physical Properties of the Soils--Continued

Map symbol and soil name	Depth	Sand	Silt	Clay	Moist bulk density	Permeability (Ksat)	Available water capacity	Linear extensibility	Organic matter	Erosion factors			Wind erodibility group	Wind erodibility index
										Kw	Kf	T		
	In	Pct	Pct	Pct	g/cc	In/hr	In/in	Pct	Pct					
W:														
Water	---	---	---	---	---	---	---	---	---	---	---	--	---	---
WoB:														
Woodstown	0-12	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	12-40	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	40-60	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
WpB:														
Urban Land	0-6	---	---	---	---	---	0.00-0.00	---	---	---	---	--	---	---
Woodstown	0-12	---	---	5-18	1.00-1.40	0.6-6	0.08-0.16	0.0-2.9	1.0-2.0	.24	.24	5	3	86
	12-40	---	---	18-30	1.35-1.70	0.2-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			
	40-60	---	---	5-20	1.35-1.65	0.6-6	0.06-0.16	0.0-2.9	0.0-0.5	.28	.28			